

## PATENT APPLICATION

Sheet 1 of 5

FORM PTO-1449

LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANT'S INFORMATION DISCLOSURE  
STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO.

200315384-1

APPLICATION NO.

10/693743

CONFIRMATION NO.

APPLICANT

Fr lund t al.

FILING DATE

GROUP

## REFERENCE DESIGNATION

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
/T.B./	1A	10/440,531		Veitch et al.	
/T.B./	1B	10/440,548		Frolund et al.	
/T.B./	1C	10/440,570		Merchant et al.	
	1D				
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## FOREIGN PATENT DOCUMENTS

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	1L					
	1M					
	1N					
	1O					
	1P					

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

/T.B./	1Q	K. Amiri and G. A. Gibson and R. A. Golding, Highly concurrent shared storage, The 20th International Conference on Distributed Computing Systems (ICDCS 2000), April 10-13, 2000, Taipei, Taiwan, pp. 298-307, IEEE Computer Society, Los Alamitos, CA, 2000.
/T.B./	1R	H. Attiya, A. Bar-Noy, and D. Dolev, Sharing memory robustly in message-passing systems, Journal of the ACM, Volume 42, Issue 1, January, 1995, pp. 124-142, ACM Press, New York, NY, 1995.
/T.B./	1S	P. Dutta, S. Frolund, R. Guerraoui, and B. Pochon, An efficient universal construction for message-passing systems, EPFL Technical Report IC-TR-2000228, May 2002.

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05/28/2007

# PATENT APPLICATION

Sheet 2 of 5

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## LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT

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	2L				
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	2O				
	2P				

### OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

/T.B./	2Q	S. Frolund, A. Merchant, Y. Saito, S. Spence, and A. Veitch, FAB: Enterprise storage systems on a shoestring, Proceedings of HOTOS IX: The Ninth Workshop on Hot topics in Operating Systems, Lihue, Hawaii, May 18-21, 2003, pp. 169-174, The USENIX Association, Berkeley, CA, 2003.
/T.B./	2R	G. R. Goodson, J. J. Wylie, G. R. Ganger, and M. K. Reiter, Decentralized storage consistency via versioning servers, Technical Report CMU-CS-02-180, School of Computer Science, Carnegie Mellon University, Pittsburgh, PA, September, 2002.
/T.B./	2S	J. Kubiawicz, D. Bindel, Y. Chen, S. Czerwinski, P. Eaton, D. Geels, R. Gummadi, S. Rhea, H. Weatherspoon, W. Weimer, C. Wells, and B. Zhao, Oceanstore: An architecture for global-scale persistent storage, Proceedings of the Ninth International Conference on Architectural Support for Programming Languages and Operating Systems (ASPLOS-IX), Cambridge, MA, pp. 190-201, ACM Press, New York, NY, November, 2000.

EXAMINER

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Sheet 3 of 5

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	3M					
	3N					
	3O					
	3P					

## OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

/T.B./	3Q	L. Lamport, On interprocess communication, Dec. 25, 1985.
/T.B./	3R	E. K. Lee and C. A. Thekkath, Petal: Distributed virtual disks, Proceedings of the Seventh International Conference on Architectural Support for Programming Languages and Operating Systems (ASPLOS-VII), Cambridge, MA, pp. 84-92, ACM Press, New York, NY, 1996.
/T.B./	3S	N. A. Lynch and A. A. Shvartsman, Robust emulation of shared memory using dynamic quorum acknowledged broadcasts, Dec. 2, 1996..

EXAMINER

/Timothy Bonura/ (05/28/2007)

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**PATENT APPLICATION**

Sheet 4 of 5

<b>FORM PTO-1449</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>  (Use several sheets if necessary)	<b>ATTY. DOCKET NO.</b> <b>200315384-1</b>	<b>APPLICATION NO.</b> 10/693743	<b>CONFIRMATION NO.</b>
<b>APPLICANT</b> <b>Fr lund et al.</b>		<b>FILING DATE</b>	
<b>GROUP</b>			

**REFERENCE DESIGNATION U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	PUBLICATION DATE	NAME	Pages, Columns, Lines Where Relevant Passages or Figures Appear
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	4L					
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	4N					
	4O					
	4P					

**OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)**

/T.B./	4Q	N. A. Lynch and A. A. Shvartsman, Rambo: A reconfigurable atomic memory service for dynamic networks, Distributed Computing: 16th International Conference, DISC 2002, Toulouse, France, October 28-30, 2002, Proceedings, pp. 173-190, Springer-Verlag Heidelberg, Heidelberg, Germany, 2002.
/T.B./	4R	D. Malkhi and M. Reiter. Byzantine quorum systems, October 16, 1998.
/T.B./	4S	J. S. Plank, A tutorial on Reed-Solomon coding for fault-tolerance in RAID-like systems, Software: Practice and Experience, September, 1997, Volume 27, Issue 9, pp. 995-1012, John Wiley & Sons, Limited, Hoboken, NJ, 1997.

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Sheet 5 of 5

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	5P					

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

T.B./	5Q	H. Weatherspoon and J. Kubiawicz, Erasure coding vs.replication: A quantitative comparison, Proceedings for the 1st International Workshop on Peer-to-Peer Systems (IPTPS '02), March 2002.
	5R	
	5S	

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Substitute for form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

**(Use as many sheets as necessary)**

**Complete if Known**

Application Number	10/693,743
Filing Date	October 23, 2003
First Named Inventor	Svend FROLUND
Art Unit	
Examiner Name	
Attorney Docket Number	200315384-1

## U. S. PATENT DOCUMENTS

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Examiner Signature	/Timothy Bonura/ (05/28/2007)	Date Considered	05/28/2007
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